

CONNECTICUT SITING COUNCIL

**DOCKET NO. 426 – Third Taxing** : **DOCKET 426**  
**District Electric Department** :  
**application for a Certificate of** :  
**Environmental Compatibility and** :  
**Public Need for the construction,** :  
**maintenance, and operation of a** :  
**proposed 115-kV transmission** :  
**connection and expansion of the East** :  
**Avenue Substation located at 6 Fitch** :  
**Street, Norwalk, Connecticut** : **June 12, 2012**

**PRE-FILED TESTIMONY OF CHRISTOPHER P. SODERMAN ON BEHALF OF  
THE CONNECTICUT LIGHT AND POWER COMPANY**

**Q: Please state your name, title and business address.**

A: Christopher P. Soderman  
Senior Engineer – Transmission Line & Civil Engineering  
Northeast Utilities Service Company  
107 Selden St.  
Berlin, CT 06037

**Q: Please describe your current work responsibilities and briefly describe your work experience and educational background.**

A: My current responsibilities include providing engineering support to The Connecticut Light and Power Company (CL&P) for the design, maintenance and operation of Transmission Lines. I serve as the Team Lead for Transmission Line Engineering. I have a Bachelor of Science in Mechanical Engineering from Rensselaer Polytechnic Institute and a Master of Science degree in Electrical Engineering from Worcester Polytechnic Institute. My resume (attached below) provides additional information concerning my work experience and education.

**Q: Please describe your role in support of CL&P's interconnection facilities proposed to connect with the Third Taxing District Electric Department's proposed substation.**

A: My role is to ensure that CL&P's interconnection facilities are designed and built in accordance with applicable CL&P standards and best practices for such facilities.

**Q: Does this conclude you testimony?**

**A: Yes.**

# Christopher Paul Soderman, P.E.

## Education:

**Rensselaer Polytechnic Institute (Troy, NY)**  
**Bachelor of Science Degree in Mechanical Engineering**

**Worcester Polytechnic Institute (Worcester, MA)**  
**Master of Science in Electrical Engineering**

**University of Hartford (West Hartford, CT)**  
**Master of Business Administration/Master of Engineering (Civil Engineering)**  
**(Curriculum in Progress, 41 % Complete)**

## Relevant Work Experience:

**2/2003-Present Northeast Utilities Service Co (NUSCO)**  
**Senior Engineer – Transmission Line & Civil Engineering:** Engineering and support for design of new transmission lines and operation and maintenance of existing transmission lines.

## Current Engineering Assignments:

- Team Lead – Transmission Line Engineering
- Overhead Conductor Technology Subject Matter Expert
- Overhead Transmission Line Thermal Ratings Subject Matter Expert
- PLS-CADD Subject Matter Expert
- Wind Induced Conductor Motion Subject Matter Expert
- Electric and Magnetic Fields Subject Matter Expert
- Grounding and Lightning design for Transmission Lines Subject Matter Expert
- Electromagnetic Compatibility/Interference Subject Matter Expert
- Natural Wood Pole Structure Subject Matter Expert

## Project Assignments:

- New England East – West Solution (NEEWS (345-kV)) (T-Line Engineer, CT and MA)
- Middletown-Norwalk 345-kV Transmission Line Project (2003-2008 – Transmission Line Engineer (T-Line Engineer), CT)
- Barbour Hill 345-kV Substation Project (2005-2008 – T-Line Engineer, CT)
- 1466 Line Rebuild between Carpenter Lane Junction and North Wallingford S/S (2/2007-8/2007 – Project Engineer, T-Line Engineer)
- Mansfield 69-kV Terminal Uprate (5/2006-9/2006 – Proj Engineer, T-Line Engineer, CT)
- Glenbrook 115-kV Cables Project Siting (2004-05 – Transmission Line Engineering Support, CT)
- University of Connecticut Interconnection 69-kV (2005 – Project Engineer, CT)

- Cleveland Brook Reservoir Shield Wire Project – Vibration Failure (2004-05 – Project Engineer, T-Line Engineer, MA)

**2/2002-2/2003                    Tech-Aid Corporation for NUSCO**

**Project Coordinating Engineer (Contract):** Coordinated engineering efforts of consultants and internal engineering staff for the Middletown-Norwalk 345-kV transmission Line. Performed route analyses and prepared reports for submittal to the Connecticut Siting Council. Field contact for customer questions regarding project.

**5/2001-2/2002                    Tech-Aid Corporation for NUSCO**

**Mechanical Engineer (Contract):** Perform energy balance analysis, heat transfer and HVAC System studies. Work routinely with architects, engineers, state and local building officials to educate and demonstrate building practices and designs that improve overall building performance. Perform tests to check for compliance with the 1995 CABO Model Energy Code and US Department of Energy Star™ Homes program. Improve analysis software used in energy analysis. Revamp inspection procedures. Other Special Projects include design work and mock up development for upper management design of the SmartLiving Center with a multimedia presentation.

**Professional Registrations:**

Licensed Professional Engineer in the State of Connecticut (Lic. # PEN.24928)